Density/Contour Plot

This is a density and or contour plot of the data set currently selected in the inspector. Data files will be displayed only if they are rectangular grids. Clicking on a point will display that point's coordinates. Dragging a box will cause both the density and the 3d views to zoom in to that box.

Anything displayed in this window can optionally be mapped to either the "floor" or the 3d surface itself.   This window can display any combination of 4 items: Density Plot, Contour Plot, Tick Mesh, and Data Mesh. The Data Mesh is simply a black grid of where all of the measured points are. This is useful primarily in surface maps where it can give the classic "mesh" appearance to your 3d plots.

There is now simple tick/labeling support in the density/contour plot. The same ticks and labels will be used as for the 3d plot. If you use too many ticks, the labels may overlap, it isn't a very smart algorithm, but its better than nothing. Be warned: if you turn on labels, then overlay the density plot on the 3d plot, the labels will be mapped too!

One note on contour plots: The algorithm I'm currently using has the advantage of being pretty fast. The speed comes at a price, however. If the sampling resolution of your data is too low or the number of contours is too high (so several contours are crossed between 2 samples) you MAY see 2 contours cross each other. This doesn't happen very of ten, but it may. Also, if the resolution is low, you'll see that the contour plots are actually made of straight line segments, not curves.   I may change this in a later version, but speed is still a concern.